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7k APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	G ATTORNEY DOCKET NO.
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09/195,728 11/18/98 DRUCKER

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021034
IPSOLON LLP
805 SW BROADWAY, #2740
PORTLAND OR 97205

WM02/0705

EXAMINER

YANG, R

ART UNIT

PAPER NUMBER

2672

DATE MAILED:

07/05/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

SM

Office Action Summary

Application No.

09/195,728

Applicant(s)

DRUCKER ET AL.

Examiner

Ryan R Yang

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 May 2001.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-39 is/are allowed.
- 6) ☒ Claim(s) 40-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to communications: Amendment, filed on 5/29/01.
This action is final.
2. Claims 1-42 are pending in this application. Claims 1, 16, 27, 34 and 40-42 are independent claims. In the Amendment, filed on 5/29/01, claims 1, 3, 13, 16-19, 21, 23, 27 and 34-39 were amended, and claims 40-42 were added.
3. The present title of the invention is "View Dependent Tiled Textures" as filed originally.

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
5. Claims 40-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Strandberg (6,054,999).

As per claim 40, Strandberg discloses a computer method of applying a texture map to an image surface in a graphics image rendered on a computer display screen, comprising:

identifying a region of the image surface to which region the texture map is to be applied ("the drawings of the desired figure are scanned in as key drawings ...", column 11, line 66-67);

determining a viewing angle for the region (this step is inherent since the image data stored are related to space angle; also see Figure 2, where the images are of different angles);

correlating the viewing angle with a texture map tile corresponding to the viewing angle ("to match the movement data of the actor with the movement data of the stored figure", column 12, line 13-14); and

rendering the texture map tile at the region on the computer display screen (Figure 1; 8).

6. As per claim 41, Strandberg discloses a method of generating a tile data structure in a computer readable medium representing an image texture for a tiled texture mapping, comprising:

determining plural selected viewing angles for viewing the image texture (Figure 1; M1, M2, M3 ...);

correlating each selected viewing angle to a predetermined range of viewing angles that includes the selected viewing angle ("to match the movement data of the actor with the movement data of the stored figure", column 12, line 13-14); and

forming for each of the selected viewing angles a data structure that includes a projection of the image texture relative to the selected viewing angles ("The thus obtained image parts in a selected sequence and then presents the assemblage on one or more display units, such as a monitor 8, or on a projection area of a film", column 10, line 38-41).

7. As per claim 42, since Strandberg's system is comprised of computer (see Figure 1, 4), it is obvious that the system is run by software instructions, and therefore is identically rejected to claim 40 as set forth supra.

Allowable Subject Matter

8. Claims 1-39 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: The amended claim limitation "rendered simultaneously on a display screen immediately adjacent each other" overcame the prior art of record.

Response to Arguments

9. Applicant's arguments filed 5/29/01 have been fully considered but they are not persuasive.

While the applicant argues the Strandberg teaching has different application, the Examiner maintains the Strandberg teaching does read into the claim limitations. The applicant also argues Strandberg does not teach "determining a viewing angle for the region". Figure 2 shows a series of angle depended images of a same character, therefore, an angle depended viewing is determined.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Inquiries

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan R Yang whose telephone number is (703) 308-6133. The examiner can normally be reached on M-F 9:30AM-7:00PM Second Wed Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on (703) 305-4713. The fax phone

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numbers for the organization where this application or proceeding is assigned are (703) 308-6606 for regular communications and (703) 308-6606 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Ryan Yang
June 25, 2001

Jeffery A. Brien
JEFFERY BRIEN
PRIMARY EXAMINER